

Ridge Road Extension
Phase II
from East of Suncoast Parkway to US 41
Supplemental Submittal to U.S. Army Corps of Engineers
Additional Wetland Impact Minimization Efforts

Prepared For:



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reducing the wetland impacts on the east and west side of the easement as a result of utilizing vertical mechanically stabilized earth (MSE) walls for the bridge approaches. The use of MSE walls reduces the footprint of the roadway (limits of construction) in fill sections and thereby reduces impacts when passing through wetlands. The use of a bridge/MSE walls at the Bexley easement crossing results in impact reductions within wetlands No 33 and 35.

Summary of Wetland Impact Reductions

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At the time of the issuance of the Public Notice in 2000, the anticipated wetland impacts totaled 29.81 acres. As a result of minimization efforts the impacts associated with the final design have been reduced to 28.00 acres, a 1.81 acre reduction. Additionally, the change in project limits at the end of the project, work on US 41 has been eliminated, has further reduced wetland impacts associated with the project by 2.56 acres. The total wetland impacts for Phase II of the project based on final design is 25.45 acres. This is a reduction of 4.36 acres since the issuance of the original Public Notice. The locations of the wetland impacts based on the final design are shown on the attached Ridge Road Phase II ACOE Plan Sheets and summarized on the Summary of Wetland Impacts table on the next page. The table provides a summary of the impacts as proposed in 2000, the impacts associated with the final design and the differences between the two. All wetland resources that are impacted by the project are included regardless of jurisdictional determination.

OTHER ITEMS:

Stormwater Management and Flood Plain Compensation Facilities:

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As part of the wetland avoidance efforts for the project all stormwater management facilities (ponds) for Phase II are located in upland areas. Additionally all ponds have a 25' wide, average, 15' wide minimum, buffer between the pond limits of construction and the jurisdictional wetland lines. Flood plain compensation areas (FPC's) are also located in uplands with two exceptions. The hydraulic connection to the flood plain, a necessity for the compensation sites to function, normally extends into the adjacent wetlands. To minimize the permanent impacts associated with this connection it is typically designed as a very narrow ditch. The second exception is FPC B-5 in Phase II that encompasses the non-viable remainder of a wetland impacted by the roadway alignment. This flood compensation area will be hydraulically connected to the remaining non-impacted portion of the wetland via pipe under the roadway embankment. Because the FPC's will be planted and are included as part of the mitigation plan for this project an upland buffer similar to that used for the ponds was not utilized. For ease of legal description the boundaries of the pond and flood compensation sites have been made geometrically simple. Due to this approach some portions of the boundaries cross through wetland jurisdictional lines. This does not affect the limits of construction restrictions for the facilities as described above.

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Summary of Wetland Impact
Reductions§

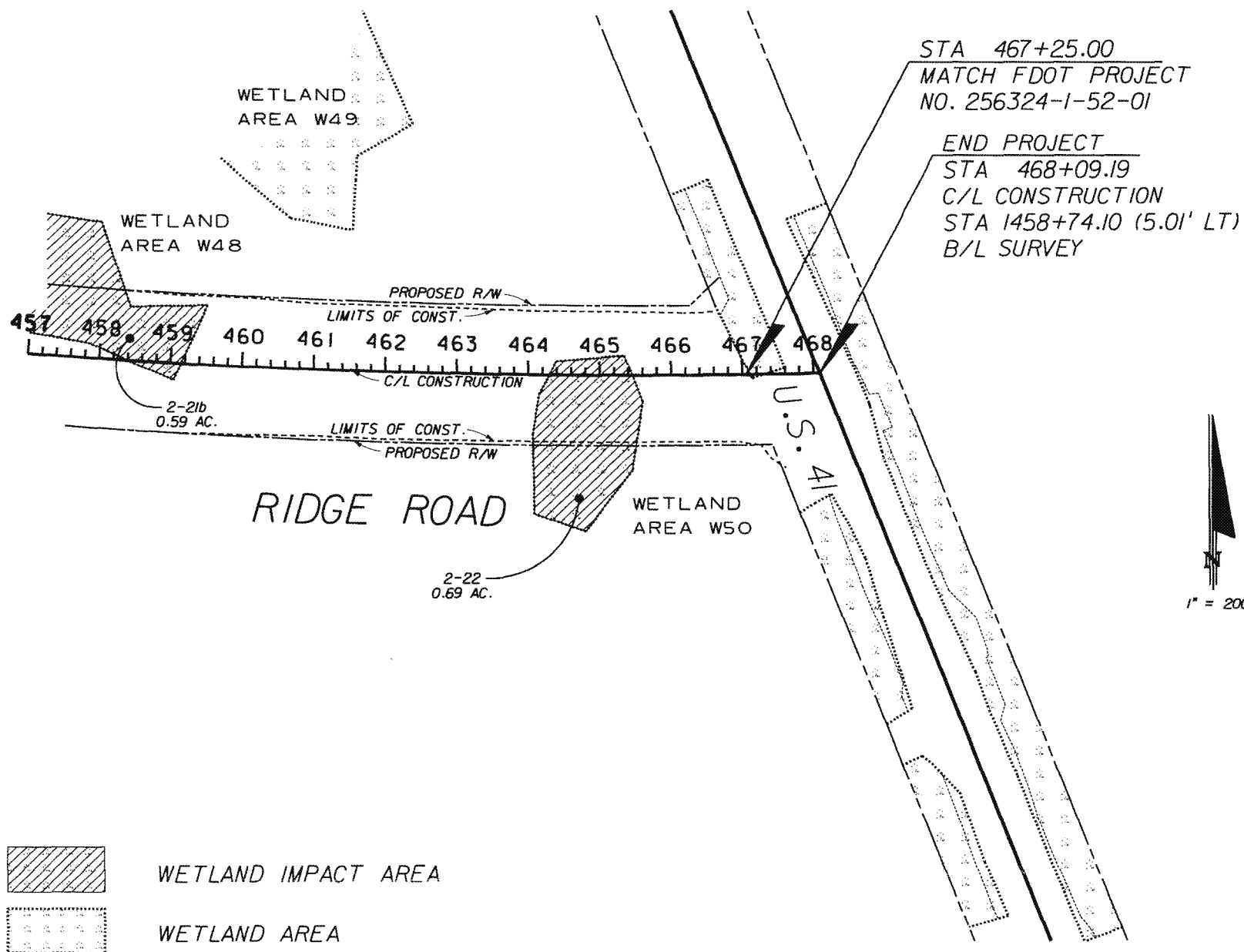
¶ At the time of the issuance of the Public Notice in 2000, the anticipated wetland impacts totaled 29.814 acres. As a result of minimization efforts and the elimination of some impacts from this project that have been impacted and mitigated for by other projects the impacts associated with the final design have been reduced to 23.77 acres, a 6.04 acre reduction. The Summary of Wetland Impacts Table on the next page provides a summary of the impacts as proposed in 2000, the impacts associated with the final design and the differences between the two. ¶
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Summary of Wetland Impact Areas
U.S. Army Corps of Engineers Wetland Lines
Ridge Road Phase II
From East of the Suncoast Parkway to U.S. 41

Wetland Number	Impact Area (Acres) 2000 Public Notice	Impact Area (Acres) Final Design	Impact Reductions (Acres) Since Public Notice	
			LOC	Other
W28	2.52	2.30	0.22	
W30	0.76	0.57	0.19	
W31	0.57	0.53	0.04	
W32	0.04	0.04	0.00	
W32A	0.13	0.13	0.00	
W33	2.53	2.26	0.27	
W35	3.83	3.39	0.44	
W37	0.52	0.46	0.06	
W38	2.71	2.78	-0.07	
W39	2.85	2.58	0.27	
W40	2.32	2.06	0.26	
W42	1.61	1.42	0.19	
W44	3.72	3.76	-0.04	
W45A	0.52	0.52	0.00	
W45B	0.39	0.39	0.00	
W46A	0.60	0.60	0.00	
W47	0.05	0.05	0.00	
W48	0.92	0.92	0.00	
W50	0.69	0.69	0.00	
W52	0.40	0.0 (No longer in project limits)		0.40
W53	0.32	0.0 (No longer in project limits)		0.32
W54	1.48	0.0 (No longer in project limits)		1.48
W55	0.37	0.0 (No longer in project limits)		0.37
Total	29.81	25.45	1.81	2.56
			Total Reduction:	4.36

PH&A PROJ. NO.	COUNTY PROJ. NO.	SHEET NO.
9624-2	C 6686.20	14



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PASCO COUNTY

RIDGE ROAD EXTENSION
 PHASE II

ACOE PLAN SHEETS

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